

Message

From: LEE, LILY [LEE.LILY@EPA.GOV]
Sent: 2/15/2019 4:49:04 PM
To: Chesnutt, John [Chesnutt.John@epa.gov]
Subject: FYI - I sent to Paul, acting Lead RPM re details - Do you remember air/dust changes you wanted?
Attachments: 2018-11-21 Parcel G Draft Final WP Air & dust comments MC.docx

Just keeping you in the loop. I have talked to Paul about all of these before, and verbally he thought they were fine.

I'm waiting on feedback re air/dust from health physicists (I sent them DTSC comments and asked if they have any supplement from Federal perspective), and I need to rewrite the draft from Maeve that you already reviewed and wanted to change (see attached). Do you remember what you thought about it? I think you wanted more intro explanation of process. I can work on it over the wknd. I have lots of time Sun/Mon bc James is taking kids skiing.

From: LEE, LILY
Sent: Friday, February 15, 2019 12:35 AM
To: 'paul.stoick@navy.mil' <paul.stoick@navy.mil>
Subject: Some more detail on outstanding items

Dear Paul,

I know I promised you a formal list of all outstanding items by Fri, but I'm sorry I'm so backed up, I don't think I will be able to finish. I'm aiming for next Tues, since it looks like we will be less likely to be shut down. Meanwhile, informally, here are notes/reminders of some items we had talked about on previous calls over the past several months:

Here is a more detailed list of what we need from the Navy prior to the collection of data at the off-site and on-site background locations or as part of the site investigation that are not fully documented in the Parcel G Work Plan for soils investigations only:

Gamma Scan and Static Surveys, including of the background reference areas:

1. Identify Contractor that will be conducting field investigation/radiological surveys and data collection and submit contractor-specific SOPs for field investigation which includes SOPs for all radiological surveys.
2. Provide example calculations documenting how the MDCs listed in Parcel G Work Plan Table 3-7 (A Priori Scan MDCs) for gamma walk-over surveys using the RS-700 instrument were determined. [Section 3.5.2.2 (Gamma Scan Minimum Detectable Concentration) provides example calculations for the Model 44-20 (3-inch by 3-inch) Sodium Iodide detectors, but does not provide information about the RS-700 system] Note that the California Department of Public Health provided a technical basis document for documenting how the RS-700 system was calibrated for the gamma scans conducted at Parcel A-1 using the MicroShield modeling program. Such information should be included in the Parcel G Work Plan, as follows:
 - a. Modeling used to correlate gamma fluence rates to detector performance/efficiency
 - b. Efficiency of detectors using calibration sources
 - c. Detection limits for identification of discrete sources versus soil contamination
 - d. Copy of nuclide library including the energy lines that will be used for quantitation of individual radionuclides
3. Identify the size of the detectors used for the RS-700 system, the mounting configuration, and information demonstrating how 100% of the land areas scanned will be covered by the RS-700 gamma scan instruments based on the size and mounting configuration.

4. Specify if GPS/positional data collection will occur with the RS-700 system scanning surveys.
5. Provide a listing of the static measurement MDCs for the Ludlum 2221 with Model 44-20 NaI detectors and the RS-700 system. [Example scanning MDCs were provided in Table 3-7 (A Priori Scan MDCs) but not statics].
6. Include a listing of instruments, calibration and MDCs (if different) for gamma scanning of core samples since this may present a different geometry than scanning excavated soils and different detectors may be used.

Investigation parameters

7. Revise the Work Plan to include the listing of all ROCs for some survey units/trench units and buildings based on the HRA per previous comment submittals.

In addition, we talked earlier about starting with 25 samples per survey unit initially for the following:

- First 3 Trench Units, each RSY pad or equivalent area
- First 3 Building Site Soil Survey Units
- First 1 Survey Unit (statics and swipes) for each building material type

After that, we should have enough more reliable data to update calculation for appropriate sample density.

I'm sorry not to have more formal complete set right away, but I wanted at least to send you an informal sneak preview so I am not holding you up as much.

The main thing I still need to work on is more detail re any further clarifications re air/dust beyond what I already sent Derek, which I forwarded to you.

Lily Lee
Cleanup Project Manager, Superfund Division
US Environmental Protection Agency, Region 9
75 Hawthorne St. (SFD-8-3)
San Francisco, CA 94105
415-947-4187